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Working Group2:
Tsunami Detection, Warning and Dissemination

J Padmanabham (India, Chair of WG2)
Robert Greenwood (Australia, Vice-Chair of WG2)
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Meeting of Working Group 2 (WG-2) on
Tsunami Detection, Warning and Dissemination ICG/IOTWMS
07 August 2024

Terms of Reference

Terms-of-Reference

Liaise with other working group(s) and task team(s) within the ICG/IOTWMS and with working groups from the other ocean basins through the TOWS-WG to:

1. Coordinate and strengthen the operational implementation of tsunami detection, warning and dissemination, including for tsunamis generated by non-seismic and complex sources.
2. Support the Tsunami Service Providers (TSPs) delivery of interoperable regional tsunami threat information products to Member States.
3. Support Member States in the development of their national tsunami warning capabilities.
4. Monitor the performance of key observational, warning and communication system components.
5. Support implementation of IOWave Exercises.
6. Identify areas of priority for action following assessments, communications tests, exercises, and real tsunami events.
7. Provide advice on further development of IOC-UNESCO TRRP.
8. Provide advice to the Indian Ocean Tsunami Information Centre (IOTIC) on educational materials about the warning systems and services.
9. In collaboration with IOC-UNESCO IOTIC and IOC-UNESCO Secretariat for ICG/IOTWMS, help strengthen the capacity and capability of Member States.

Membership

Chair: Mr. J Padmanabham(India)

Vice-Chair: Dr Robert Greenwood (Australia)

Vice-Chair: Mr. Yedi Dermadi (Indonesia)

Members:

Ms Adriene Moseley (Australia)

Mr Nagaraja Kumar Masuluri (India)

Dr. Karyono (Indonesia)

Mr Iman Fatchurachman (Indonesia)

Mr Urip Setiyono (Indonesia)

Mr Jean Bernardo Andrianaivoarisoa (Madagascar)

Mr Rina Andrianasolo (Madagascar)

Dr Chai Mui Fatt (Malaysia)

Mr Afiq Zhofri bin Abdul Razak (Malaysia)

Mr Jaifar Al-Busaidi (Oman)

Mr Malik Al-Ghafri (Oman)

Mr Tariq Ibrahim (Pakistan)

Mr Ameer Hyder (Paksitan)

WG2- Activities

1. Help coordinate and facilitate the development and operational implementation of tsunami detection, warning and dissemination systems and procedures within Multi-Hazard Early Warning System (MHEWS) frameworks and systems.

2. Monitor, assess and routinely report to the Steering Group and ICG on the performance of Tsunami Service Providers (TSPs), observational seismic and sea level monitoring networks, communication systems and procedures.

3. Consult with Working Group 1 "Tsunami Risk, Community Awareness and Preparedness" on the requirements and suitability of threat information and warning products.

4. Work closely with Working Group 1 "Tsunami Risk, Community Awareness and Preparedness", Working Group 3 "Tsunami Ready Implementation", IOC-UNESCO IOTIC and IOC-UNESCO Secretariat for ICG/IOTWMS, to help develop the capacity of Member States across the Indian Ocean to implement the IOC-UNESCO Tsunami Ready Recognition Programme (TRRP) or similar initiatives.

WG2- Activities (cont..)

5. Work closely with Working Group 1 "Tsunami Risk, Community Awareness and Preparedness", Working Group 3 "Tsunami Ready Implementation", IOC-UNESCO IOTIC and IOC-UNESCO Secretariat for ICG/IOTWMS, to develop effective national tsunami warning chains, warning products, services, Standing Operating Procedures, and warning chains.

6. Monitor existing international and national arrangements and provision of real-time data required for tsunami monitoring and warning with regards to seismic, GNSS, sea level and other kinds of measurements and data exchange.

7. Undertake studies to determine warning requirements for seismic and sea level data.

8. Facilitate the ongoing development and benchmarking of tsunami modelling, forecast and verification systems.

9. Contribute to the conduct of regular exercises and communication tests of the IOTWMS.

10. In collaboration with Working Group 1 " Tsunami Risk, Community Awareness and Preparedness ", Working Group 3 "Tsunami Ready Implementation", IOC-UNESCO IOTIC and IOC-UNESCO Secretariat for ICG/IOTWMS, help to develop, coordinate, and implement training and capacity building programmes for NTWCs, DMOs and Broadcast Media in the Tsunami Warning Services.

11. Develop and maintain relevant documentation, such as the IOTWMS Service Definition and IOTWMS NTWC Users Guide.

Thank You